

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Original)** An image forming system comprising:
 - a manuscript image reading device to scan a manuscript and obtain shade information on the manuscript;
 - an exposure/development device to record a charged latent image in a photosensitive body based on the shade information obtained by said manuscript image reading device, to apply toners to the photosensitive body to transfer the toners to a recording medium; and
 - a fixing device to fix the toners transferred to the recording medium by thermal pressing;
 - said fixing device having
 - a rotational heating member;
 - a pressing roller for pressing from a bottom of the rotational heating member;and
 - a non-contact temperature detector provided above a horizontal surface passing a rotation axis of the rotational heating member, which detects a temperature of said rotational heating member;
 - wherein heating of the rotational heating member is controlled by a value detected by said non-contact temperature detector.
2. **(Original)** The image forming device according to claim 1, wherein said non-contact temperature detector is disposed within a range of 45 degrees with a plane running through a rotation axis of said rotational heating member being angle 0 and the rotation axis being the angle center.
3. **(Original)** The image forming device according to claim 2, wherein said non-contact temperature detector is disposed at a position apart from said rotating heating member by 5 mm or more.

4. **(Original)** The image forming device according to claim 3, wherein cleaning means to clean a surface of said rotational heating member is provided in an upstream side of the rotation direction of the rotational heating member.
5. **(Original)** The image forming device according to claim 1, wherein said non-contact temperature detector has a structure by which a temperature sensor is shielded by a material having magnetic shielding function.
6. **(Original)** The image forming device according to claim 1, wherein said rotational heating member is a heating roller.
7. **(Original)** The image forming device according to claim 6, wherein said heating roller is heated by induction heating using an induction heating device.
8. **(Original)** The image forming device according to claim 6, wherein said heating roller is heated by a heating ray using a heating ray irradiation means.
9. **(Original)** The image forming device according to claim 8, wherein said heating ray is an infrared ray.
10. **(Original)** The image forming device according to claim 4, wherein said rotational heating member is a heating roller.
11. **(Original)** The image forming device according to claim 10, wherein said heating roller is heated by induction heating using an induction heating device.
12. **(Original)** The image forming device according to claim 10, wherein said heating roller is heated by a heating ray using a heating ray irradiation means.
13. **(Original)** The image forming device according to claim 1, wherein said rotational heating member is a heating belt.

14. **(Original)** A n image forming system comprising:

a manuscript image reading device to scan a manuscript and obtain shade information on the manuscript;

an exposure/development device to record a charged latent image in a photosensitive body based on the shade information obtained by said manuscript image reading device, to apply toners to the photosensitive body to transfer the toners to a recording medium; and

a fixing device to fix the toners transferred to the recording medium by thermal pressing;

said fixing device having

a rotational heating member;

a pressing roller for pressing from a bottom of the rotational heating member;

and

a non-contact temperature detector provided above a horizontal surface passing a rotation axis of the rotational heating member, which detects a temperature of said rotational heating member;

a heat convection direction change means to direct heat convection generated by said rotational heating member to directions other than the direction of said non-contact temperature detector

wherein heating of the rotational heating member is controlled by a value detected by said non-contact temperature detector.

15. **(Original)** The image forming system according to claim 14, wherein said heat convection direction change means is a fan.

16. **(Original)** The image forming system according to claim 15, wherein said fan is disposed in a position symmetrical with the non-contact temperature detector, with the heating roller as a center, and the fan exhausts air flow outwardly.

17. **(Original)** The image forming system according to claim 15, wherein said fan inhales outside air.

18. **(Original)** The image forming system according to claim 14, wherein said non-contact temperature detector is disposed within a range of 45 degrees with a plane running through a rotation axis of said rotational heating member being angle 0 and the rotation axis being the angle center, and is disposed at a position apart from said rotating heating member by 5 mm or more.

19. **(Original)** An image forming system comprising:
a manuscript image reading device to scan a manuscript and obtain shade information on the manuscript;

an exposure/development device to record a charged latent image in a photosensitive body based on the shade information obtained by said manuscript image reading device, to apply toners to the photosensitive body to transfer the toners to a recording medium; and

a fixing device to fix the toners transferred to the recording medium by thermal pressing;

said fixing device having

a rotational heating member;

a pressing roller for pressing from a bottom of the rotational heating member;

and

a non-contact temperature detector provided above a horizontal surface passing a rotation axis of the rotational heating member, which detects temperature of said rotational heating member; and

a covering member provided above said non-contact temperature detector, to prevent substances falling from said rotating heating member from attaching to said non-contact temperature detector.

20. **(Currently Amended)** The image forming system according to claim 19, wherein said ~~[[cover]]~~ covering member is made of an electro-magnetic shielding material.